

CROSS-REFERENCE TO RELATED PATENT APPLICATIONS

[0001] This application claims priority to U.S. Provisional Application 60/281,808, filed April 6, 2001, and whereby this application is a continuation-in-part of U.S. Patent Application 10/448,468, filed May 30, 2003, ^{now U.S. Pat. 6,980,854} which in turn is a continuation-in-part of U.S. Patent Application 10/397,533, filed March 27, 2003, ^{now U.S. Pat. 7,018,343} which in turn is a continuation-in-part of U.S. Patent Application 10/201,644, filed July 24, 2002, ^{now U.S. Pat. 6,748,264} which in turn is a continuation-in-part of U.S. Patent Application 10/074,234, filed February 14, 2002, ^{now U.S. Pat. 6,743,215} which in turn is a continuation-in-part of U.S. Patent Application 09/942,044, filed August 30, 2001, ^{now U.S. Pat. 6,637,537} which in turn is a continuation-in-part of U.S. Patent Application 09/922,927, filed August 7, 2001, ^{U.S. Pat. 6,535,761} each of which is incorporated in its entirety herein by reference.

BACKGROUND OF THE INVENTION

A. FIELD OF THE INVENTION

[0002] The invention relates to application of electrical pulses and mechanical vibrations to the skin in a controlled manner, in order to increase the absorption of a substance that is applied at the same time to the skin, whereby the substance is an ascorbic acid, lidocaine, collagen, or other type of skin treatment substance.

B. DESCRIPTION OF THE RELATED ART

[0003] It is known that an electrical pulse applied to the skin is useful in order to increase the absorption of a substance previously applied to the skin, whereby this technique is known as electroporation. Such a